

Use Attainability Analysis

for

WBID 2675 Tributary to Big Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources
Water Protection Program

RECEIVED

JUL 12 2005

Field Data Sheets for Recreational Use Stream Surveys

WATER PROTECTION PROGRAM

Data Sheet A - Water Body Identification

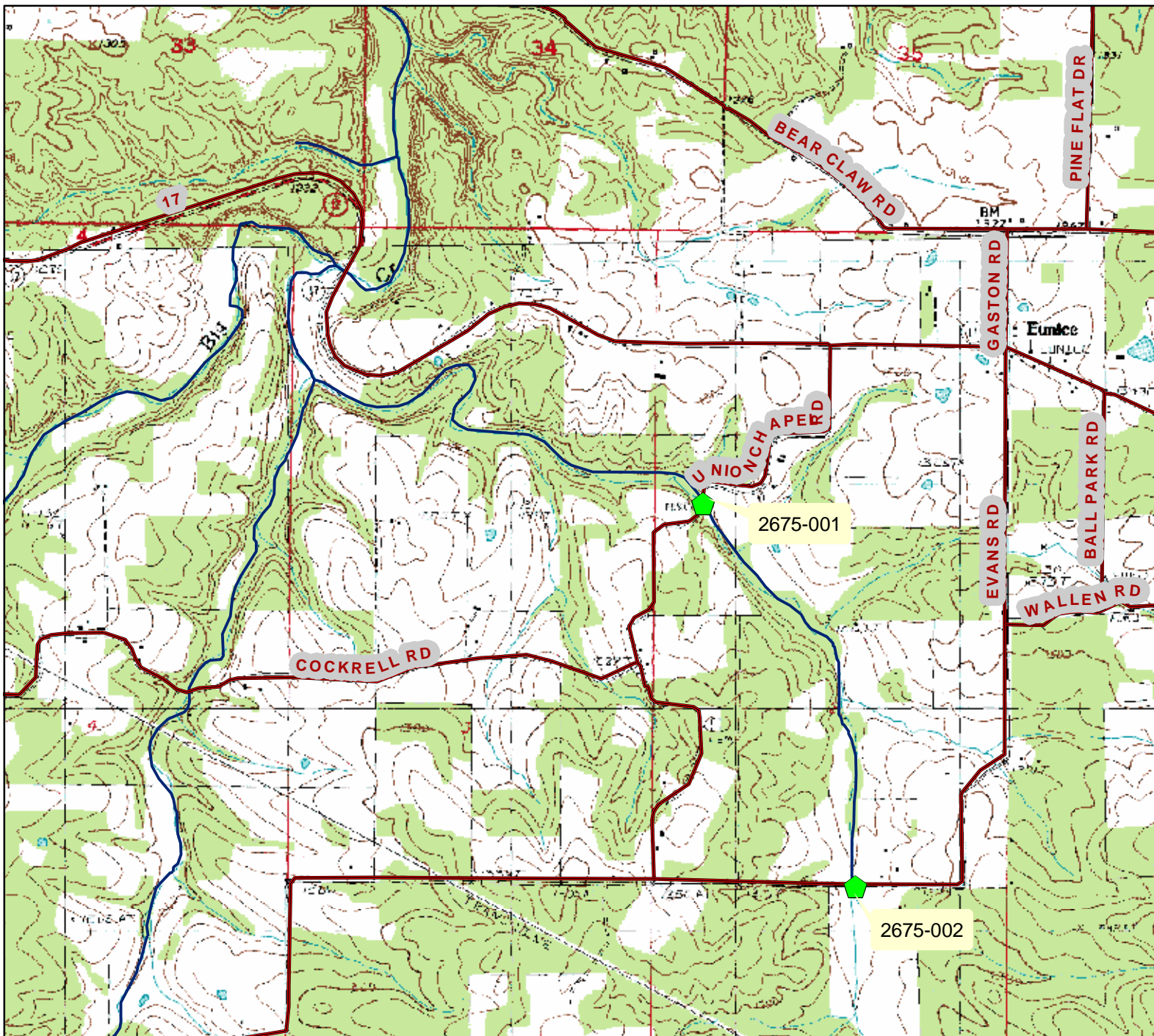
| | |
|--|------------------------------|
| Water Body Name (from USGS 7.5' quad): | TRIB TO BIG CR ① |
| 8-digit HUC: | 1101008 |
| Missouri WBID #: | 2676 2675 om |
| County: | TEXAS |
| Upstream Legal Description: | Sec. 4, T29N, R8W |
| Downstream Legal Description: | Sec. 2, T29N, R8W |
| Upstream Coordinates: | 37.22397N 91.78832W FOM 15.2 |
| Downstream Coordinates: | 37.23938N 91.79559W FOM 12.4 |
| Discharger Facility Name(s): | |
| Discharger Permit Number(s): | |
| Number of Sites Evaluated: | 2 |
| Name of Surveyor and Telephone Number: | Dave Dowdy 660-385-7996 |
| Organization: | SWCP |
| Position: | Soil Scientist III |

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.




Signed: A. Marshall Date: 7/7/05

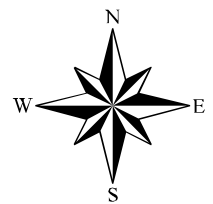
* See last page for map

Trib to Big Creek (C) #2675 Texas County



Legend

-  Roads
-  Classified Waterbodies
-  Counties



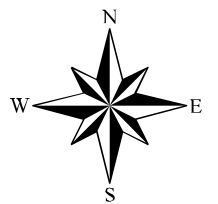
0 0.5 1 2 Miles

Trib to Big Creek (C) #2675 Texas County



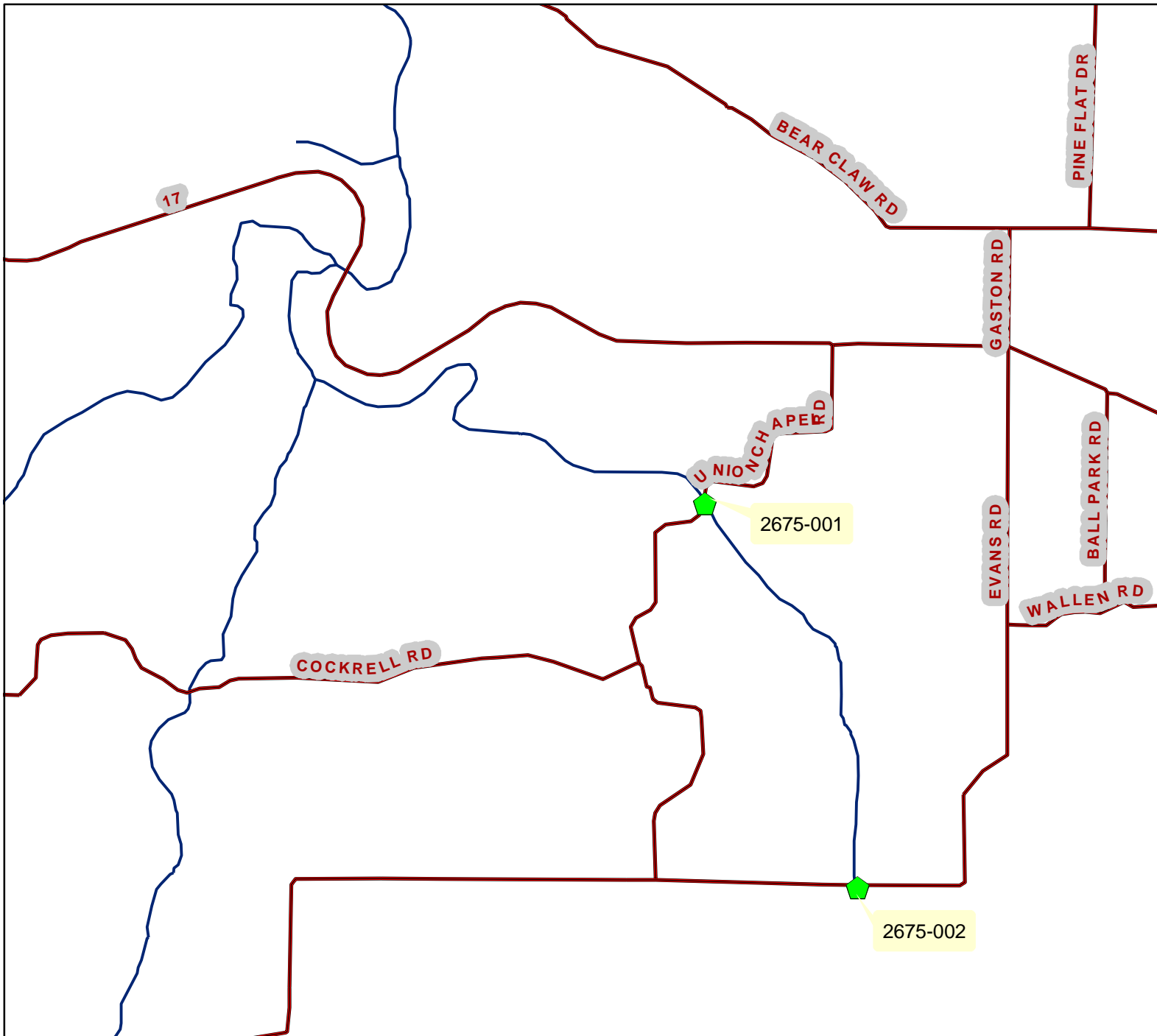
Legend

- Roads
- Classified Waterbodies
- Counties



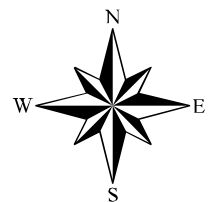
0 0.5 1 2 Miles

Trib to Big Creek (C) #2675 Texas County



Legend

- Roads
- Classified Waterbodies
- Counties



0 0.5 1 2 Miles

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Dave Dowdy &
Amber Marshaus

2675-0m

| | | |
|---|---|--------|
| Missouri WBID #: 2676-1 | Site Location Description: | |
| Site GPS Coordinates: 37.22397N / 91.78832W | | |
| Date & Time: 1438 | Facility Name: TR. R. TO BIG CR. (1) | |
| Personnel: AM & DD | Permit Number: | |
| Current Weather Conditions: HOT & SUNNY | Weather Conditions for Past 7 days: HOT & SUNNY | |
| Photo Ids: Upstream: 2676U1 | Downstream: 2676D2 | Other: |

Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence Barbed wire | <input type="checkbox"/> Steep slopes | <input type="checkbox"/> Other: | |

Evidence of Human Use*:

| | | | | |
|---|--|--|--|--|
| <input checked="" type="checkbox"/> Roads City gravel | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input checked="" type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Field Data Sheets for Recreational Use Stream Surveys

Page Two - WBID # 2675-1 2675-1 8m
Data Sheet B - Site Characterization

Stream Morphology:

Upstream View Physical Dimensions: DRY

| | | | | |
|--|--|-----------------------------------|------------------|------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Run | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft ³ /sec): | | |

Downstream View Physical Dimensions:

| | | | | |
|--|---|-----------------------------------|------------------------------|----------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Run | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Pool | Width (ft): <u>25</u> | Length (ft): <u>15</u> | Avg. Depth (ft): <u>2.5'</u> | Max. Depth (ft): <u>3'</u> |
| <input type="checkbox"/> Flow Present? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Estimated (ft ³ /sec): | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|--------------------|--------------------|--------|--------|------------|-----------|
| <u>50</u> % Cobble | <u>50</u> % Gravel | % Sand | % Silt | % Mud/Clay | % Bedrock |
|--------------------|--------------------|--------|--------|------------|-----------|

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

| |
|--|
| <u>Hydric plants, walnut trees, v. small cedar</u> |
|--|

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

Comments: Please attach additional comments (including information from interviews) to this form.

minnows, larger sunfish

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: A. Marshman Date: 7-7-05

Organization: SWCP Position: Soil Scientist I

2675_001 DS



2675_001 US



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Drive Dowdy &
Amber Marshalls
-Bm

| | |
|---|--|
| Missouri WBID #: <u>2675-2</u> | Site Location Description: |
| Site GPS Coordinates: <u>37.23938N 91.79559W</u> | |
| Date & Time: <u>1400 6/21/05</u> | Facility Name: <u>TRIB TO BIG CREEK 2676</u> |
| Personnel: <u>AM, DD</u> | Permit Number: |
| Current Weather Conditions: <u>Hot / Sunny</u> | Weather Conditions for Past 7 days: <u>Hot / Sunny</u> |
| Photo Ids: Upstream: <u>2676UR</u> Downstream: <u>2676DR</u> Other: | |

Uses Observed*:

| | | | | |
|--|--------------------------------------|---------------------------------------|---|--|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input checked="" type="checkbox"/> Other: |
| Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) <u>Aluminum cans present</u> | | | | |

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>N/A</u> | |

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads <u>City square</u> | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>LOW WATER X-ING</u> | | | | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Field Data Sheets for Recreational Use Stream Surveys

Page Two - WBID # 2675-2 ²⁶⁷⁵⁻ Data Sheet B - Site Characterization _{am}

Stream Morphology:

Upstream View Physical Dimensions:

| | | | | |
|---|---|-----------------------------------|------------------------------|-----------------------------|
| <input checked="" type="checkbox"/> Riffle | Width (ft): <u>2</u> | Length (ft): <u>18</u> | Avg. Depth (ft): <u>0.1</u> | Max. Depth (ft): <u>0.1</u> |
| <input type="checkbox"/> Run | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Pool | Width (ft): <u>15</u> | Length (ft): <u>5</u> | Avg. Depth (ft): <u>0.25</u> | Max. Depth (ft): <u>0.5</u> |
| <input checked="" type="checkbox"/> Flow Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft ³ /sec): | | |

Downstream View Physical Dimensions:

| | | | | |
|---|---|-----------------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Run | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Pool | Width (ft): <u>25'</u> | Length (ft): <u>90'</u> | Avg. Depth (ft): <u>2.5</u> | Max. Depth (ft): <u>2.5</u> |
| <input checked="" type="checkbox"/> Flow Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft ³ /sec): | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------------|-------------------|--------|--------|------------|---------------------|
| <u>1</u> % Cobble | <u>9</u> % Gravel | % Sand | % Silt | % Mud/Clay | <u>90</u> % Bedrock |
|-------------------|-------------------|--------|--------|------------|---------------------|

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

| |
|--|
| <u>Hydric Plants, moss & algae</u> |
|--|

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

Comments: Please attach additional comments (including information from interviews) to this form.

tadpoles & small snails minnows present

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: A. Marshaw Date: 7-7-05

Organization: SWCP Position: Soil Scientist + I

2675_002 DS



2675_002 US

